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APPLICATION NO	. F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/466,828	9/466,828 12/20/1999		SHUNPEI YAMAZAKI	0756-2077	1635
31780	7590	09/12/2006		EXAMINER	
ERIC RO	BINSON		NGO, NGAN V		
PMB 955 21010 SOUTHBANK ST.				ART UNIT	PAPER NUMBER
POTOMA	POTOMAC FALLS, VA 20165			2818	
			DATE MAILED: 09/12/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/466,828	YAMAZAKI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Ngan Ngo	2818	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D/ Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period v Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timused and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	I. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.		
Disposition of Claims			
4) Claim(s) 1-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-42 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) according and according according and according and according and according according and according and according according and according acco	wn from consideration. r election requirement. r. epted or b) objected to by the formula drawing(s) be held in abeyance. See ion is required if the drawing(s) is objected to by the formula drawing(s).	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	

Application/Control Number: 09/466,828

Art Unit: 2818

The amendment filed June 26, 2006 has been entered and made of record as paper no. 0606.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 4-8, 10, 12-14, 16-18, 20-27, 29, 31-33, 35, and 36 are rejected under 35 U.S.C. 102(b) as being anticipated by Troxell et al (US 4851363).

Troxell discloses a method and a device comprising a silicon oxide insulating film (24,26, and 28) over a glass substrate (10) and a crystalline semiconductor island (100, 101, and 102). Since the silicon oxide insulating film does not have halogen and carbon (which are about zero), it is clear that the insulating film (24,26, and 28) have halogen at a concentration less than $5 \times 10^{20} \text{ cm}^{-3}$ and carbon at a concentration less than $5 \times 10^{19} \text{ cm}^{-3}$.

In re claim 25, Troxell shows the interlayer (35,36)

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3, 9, 11, 15, 19, 28, 30, 34, and 38-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Troxell et al (US 4851363) in view of Tamai et al (US 5506064) and Inushima et al (US 5629245).

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Troxell discloses all the subject matter discussed above. Tamai further teaches that carbon can be detected by second ion mass spectroscopy. Note lines 12 to 15, column 3 of Tamai. Inushima further teaches that insulating film can be formed by plasma CVD using an organic silane. Note lines 46-51, column 3 of Inushima et al. Therefore, it would have been obvious to one of ordinary skill in the art to use the teachings of Troxell, Tamai, and Inushima to form the claimed method and device.

Applicant's arguments with respect to claims 1-42 have been considered but are moot in view of the new ground(s) of rejection.

The other references are cited to show other structures pertinent to Applicants' disclosure.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (571) 272-1711. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ngan Ngo

September 1, 2006

Ngan Van Ngo Primary Examiner